



1725

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Igor Troitski Art Unit: 1725
Application No : 10/042,698 ✓
Filing date : 07/22/2002
For : Method and laser system controlling breakdown process
development and space structure of laser radiation for production
of high quality laser-induced damage images
Examiner : Samuel M. Heinrich

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Please add to claims of the application indicated above, the following new claim:
15 (new): An apparatus for generating laser-induced damage within transparent material
by controlling breakdown process development of damage area comprising:

means for generating laser radiation having sufficient energy to induced a plasma
condition and to create a breakdown at a predetermined point inside said material; and

means for directing and focusing said laser radiation at said point to generate
breakdown and thereafter to maintain said condition until sufficient total energy has been
delivered to said material so that a resultant damage area of the desired sizes will be
created in said material.

Respectfully submitted,

By

Date: September 2, 2003

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